



US 20200166102A1

(19) **United States**(12) **Patent Application Publication**
Cisek(10) **Pub. No.: US 2020/0166102 A1**(43) **Pub. Date: May 28, 2020**(54) **AXLE FINAL DRIVE ASSEMBLY WITH
PIVOTING GEAR SET**(52) **U.S. Cl.**CPC *F16H 1/48* (2013.01); *B60B 35/125*
(2013.01); *B62D 55/08* (2013.01); *B60K*
17/046 (2013.01); *F16D 3/185* (2013.01);
B62D 49/0678 (2013.01)(71) Applicant: **Deere & Company**, Moline, IL (US)(72) Inventor: **Roman Cisek**, Cedar Falls, IA (US)(21) Appl. No.: **16/202,566**

(57)

ABSTRACT(22) Filed: **Nov. 28, 2018****Publication Classification**(51) **Int. Cl.**

<i>F16H 1/48</i>	(2006.01)
<i>B60B 35/12</i>	(2006.01)
<i>B62D 49/06</i>	(2006.01)
<i>B60K 17/04</i>	(2006.01)
<i>F16D 3/18</i>	(2006.01)

An axle final drive assembly for a work vehicle is provided. The axle final drive assembly includes a final drive housing; an output shaft extending from the final drive housing; a planetary gear set contained in the final drive housing and having an element fixed to the output shaft; and an input member contained in the final drive housing providing rotational input to the planetary gear set for driving the output shaft. The planetary gear set, at least in part, is pivotally coupled to the input member.

